

ANDO, et al., 10/020,116  
31 October 2005 Amendment  
Responsive to 29 July 2005 Office Action

601.43771X00 / E6320-01EW  
Page 2

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently Amended) An appliance located states, which are changed in dependence on the existence of a person, accumulating method of accumulating data of a positional relation of positions where a plurality of appliances mutually connected through a network are located, comprising:

(a) receiving state information indicative of operating state changes of the appliances ~~constituted of a distributed computer~~ which include a computing arrangement, through said network;

(b) calculating an occurrence time difference from occurrence times when the state changes have been detected as having occurred by differing ones of the appliances, in accordance with occurrence time information indicative of occurrence times of the state changes included in the state information; and

(c) acquiring ~~a distance between the positions, where the appliances occur the state changes, from~~ distance between appliances which incur the state changes, based on the calculated occurrence time difference.

Claim 2 (Previously Presented) A method according to claim 1, wherein said acquiring calculates the positional relation in accordance with the occurrence time difference of the state changes occurred in two appliances and relationship weight information indicative of a distance between the two appliances.

ANDO, et al., 10/020,116  
31 October 2005 Amendment  
Responsive to 29 July 2005 Office Action

501.43771X00 / E6320-01EW  
Page 3

Claim 3 (Original) A method according to claim 2, wherein said relationship weight information is a value calculated by a predetermined expression in accordance with two elements: number of times of occurring the state changes; and the occurrence time difference of the state changes occurred in the two appliances.

Claim 4 (Currently Amended) An apparatus constituted of a plurality of appliances mutually connected through a network and for accumulating data of a positional relation of positions where the appliances are located, comprising:

a reception means for receiving state information indicating operating state changes of the appliances ~~constituted of a distributed computer which include a~~ computing arrangement, through said network, where the state changes change in dependence on the existence of a person;

calculation means calculating an occurrence time difference from occurrence times when the state changes have been detected as having occurred by differing ones of the appliances, in accordance with occurrence time information indicative of occurrence times of the state changes included in the state information; and

acquiring means acquiring a distance ~~between the positions, where the appliances occur the state changes, from~~ between appliances which incur the state changes, based on the calculated occurrence time difference.

Claim 5 (Previously Presented) An apparatus according to claim 4, wherein said acquiring means acquires the positional relation in accordance with the

ANDO, et al., 10/020,116  
31 October 2005 Amendment  
Responsive to 29 July 2005 Office Action

501.43771X00 / E6320-01EW  
Page 4

occurrence time difference of the state changes occurred in two appliances and relationship weight information indicative of a distance between the two appliances.

Claim 6 (Previously Presented) An apparatus according to claim 5, comprising storing means for storing the occurrence time difference of the state changes occurred in the two appliances and the relationship weight information indicative of the distance between the two appliances.

Claim 7 (Original) An apparatus according to claim 6, wherein the relationship weight information is a value calculated by a predetermined expression in accordance with two elements: number of times of occurring the state changes; and the occurrence time difference of the state changes occurred in the two appliances.

Claim 8 (New) An appliance located states accumulating method of accumulating data of a positional relation of positions where a plurality of appliances mutually connected throughout a home are located, comprising:

(a) receiving state information indicative of operating state changes of the appliances which include a computing arrangement, through a network, where the state change occurs responsive to existence of a person in the home in proximity of the appliance;

(b) calculating occurrence time differences from occurrence times when the state changes have been detected as having occurred by differing ones of the

ANDO, et al., 10/020,116  
31 October 2005 Amendment  
Responsive to 29 July 2005 Office Action

501.43771X00 / E6320-01EW  
Page 5

appliances, in accordance with occurrence time information indicative of occurrence times of the state changes included in the state information; and

(c) acquiring distance between appliances which incur the state changes in the home, based on the calculated occurrence time differences.

Claim 9 (New) A method according to claim 8, wherein said acquiring calculates the positional relation in accordance with the occurrence time difference of the state changes occurred in two appliances and relationship weight information indicative of a distance between the two appliances.

Claim 10 (New) A method according to claim 9, wherein said relationship weight information is a value calculated by a predetermined expression in accordance with two elements: number of times of occurring the state changes; and the occurrence time difference of the state changes occurred in the two appliances.

Claim 11 (New) An apparatus constituted of a plurality of appliances mutually connected through a network throughout a home, and for accumulating data of a positional relation of positions where the appliances are located in the home, comprising:

a reception means for receiving state information indicating operating state changes of the appliances which include a computing arrangement, through said network, where the state change occurs responsive to existence of a person in the home in proximity of the appliance;

ANDO, et al., 10/020,116  
31 October 2005 Amendment  
Responsive to 29 July 2005 Office Action

501.43771X00 / E6320-01EW  
Page 6

calculation means calculating occurrence time differences from occurrence times when the state changes have been detected as having occurred by differing ones of the appliances, in accordance with occurrence time information indicative of occurrence times of the state changes included in the state information; and

acquiring means acquiring a distance between appliances which incur the state changes in the home, based on the calculated occurrence time difference.

Claim 12 (New) An apparatus according to claim 11, wherein said acquiring means acquires the positional relation in accordance with the occurrence time difference of the state changes occurred in two appliances and relationship weight information indicative of a distance between the two appliances.

Claim 13 (New) An apparatus according to claim 12, comprising storing means for storing the occurrence time difference of the state changes occurred in the two appliances and the relationship weight information indicative of the distance between the two appliances.

Claim 14 (New) An apparatus according to claim 13, wherein the relationship weight information is a value calculated by a predetermined expression in accordance with two elements: number of times of occurring the state changes; and the occurrence time difference of the state changes occurred in the two appliances.